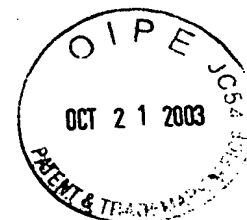


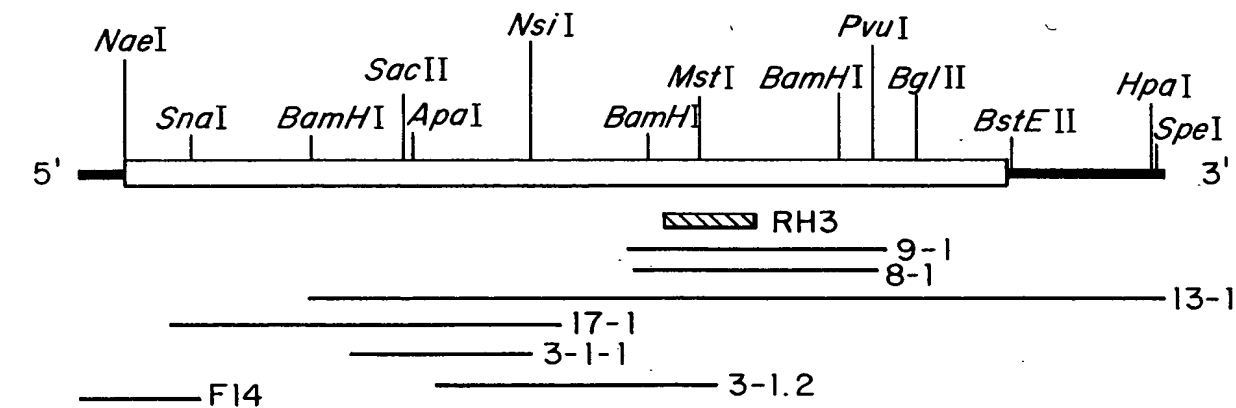
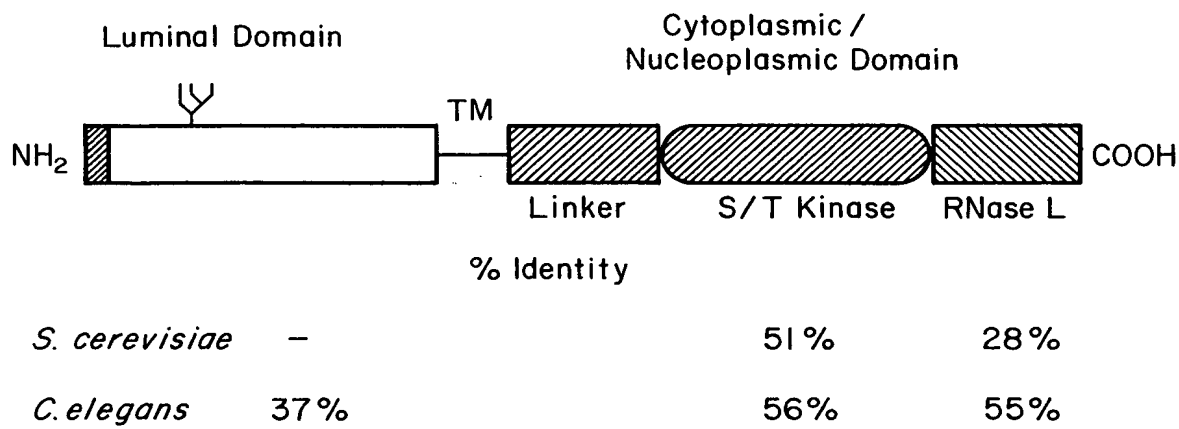
AMENDMENTS TO THE DRAWINGS

The Office Action indicates that new corrected drawings are required based on the reasons set forth in the Draftsperson's comments in form PTO-948. In response, Applicants submit the attached sheet(s) of corrected drawings (Figures 1A-9). No new matter has been added.

Attachment: Replacement sheets



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*Fig. 1A**Fig. 1B*



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| | | |
|------|--|------|
| H.s. | MPARRLLLLLLPGLGIFGSTSTVTLPELLEFVSTLDGSLHAVSKRTGSIKWTLKE | 58 |
| C.e. | MRATFHLFTFIFLLFSSVLCISTPGFRNDHESIGDDEEKTSTTLVSTLDGRLALDSETGEIKWTLQE | 70 |
| H.s. | DPVLQVPTTHVEEPA-FLPDENDGSLYILGSKNNEGILIKLFETIPELVQASPCRSSDGILYMGKKQDHWIV | 127 |
| C.e. | EPVLRSESAVKQGFTFLNPLDGSLYVL--KNSS-LKKLEFNIPQLVHASPCRGNDGILYAGSKQDHWEG | 137 |
| H.s. | IDLLTGEEKQ-----FLSSAFADSLCEST--SLLYLGRTEYTHIMYDITKIRELRWNATY | 179 |
| C.e. | IDPKTGLKVYIILLNISDKILFLOVELLSSASADRLCFANQKQTHILGRTEYRVSMEDEKNRGKTWNATY | 207 |
| H.s. | FDYAA-SLPEDEGDKMSHEVSNGDGLVIVVDSGDMWIONYASPVVAEYVWQREGLRKMHHINMAVE | 248 |
| C.e. | NDYSAHILPE-VNTWPFKHYASSSHGYLLIFDRETCMFEWEDLKQPVVALYLLRDDGLHKLPFEVVGKE | 276 |
| H.s. | TIERYLTFSMGEVGRITWKWYPF---FRETAKSKLTITLVGKYSTSLYASPMV-HGVAVVFGSTLP | 314 |
| C.e. | TMENVAKNIFTVDQWPTVLGVNAADEPQTTISLTNCFEALVGESSFGLYATEALVDHOTITYSPLLGPF | 346 |
| H.s. | LLEGPTDGTITIGDKGECVITPSTDVKFDGLKSKNKLNYLRNYLLIGHITFTI-SASTKMLERFNNL | 383 |
| C.e. | LLEGPAPIALTEMEKEEYLPFRRPIETRNIPPSITHK---TSDGEXLLIGYEDRPMMTMATIIPTRIEVPG | 413 |
| H.s. | PKHRENVIPADSEKKSFEFVINLVDQTSENAPTTVSRDVEEKFAHAPARPEAPVDSMLKDMATIILSTFL | 453 |
| C.e. | EHKAIGSTIERPPPQLLGPVEPQKHEDTSFILLNNHPIPFYATLVTMFAILLTVIWCCGRQWDQOKST | 483 |
| I | | |
| H.s. | LIGWVAITITYPELSMHQOQQLCHQFQKELEKIQLLQOQOQQLPFHPPGDTAQDGELLDTSGPYSESSGT | 523 |
| C.e. | SRMDSFEIYNNGESRSAQTSKQNRGSFGWANSKDIEPGW----- | 525 |
| II | | |
| H.s. | SSPSTSPRASNHSLSGSSASKAGSSPSLEQDDGDEETSIVIVGKISFCPKDVLGHGAEGTVVRGMFDN | 593 |
| C.e. | -----MAVGSKLMYSPSDILGTGCEGTVVRGTFDG | 556 |
| S.c. | LVVSCKILGYGSSGTIVVCGSFDG | 696 |
| H.s. | RDVAVKRITPECFSFADREVQLLRESDEHENVIRYCTEKDRQFYTAELCAATLOEYVECKDFAHLGL | 663 |
| C.e. | REVAVKRIVSEFVKFAHREADLLRESDEHENVIRYCTEKDSQFRYLAELCTASINDYVECKEYQONVT | 626 |
| S.c. | RPVAVKRMLTDFCDIALMEIKLLTESDDHENVIRYCTSETTDFELYLAELCNLNLQDLVESKNVSDENL | 766 |
| H.s. | -----EPITLQOTTSGLAHLHSLNIVHRDLKPHNLTSPMN-----AHGKIKRAMISDFGLCKKLA | 719 |
| C.e. | IALRD-----IMKQATDGLAHLHASKIVHRDKPQNVLTMTAS-----QRGEMRAVISDFGLCKRVQ | 693 |
| S.c. | KLQKEYNPISLRLQIASGVAHLHSLKILHRDLKPHNLTSTSSRFTADQQTGAENRILISDFGLCKKLD | 836 |
| H.s. | VGRHSFSRR--SGVPTGEGWIAPEMLSEDCKEN-----PYTVDFIFS | 759 |
| C.e. | PGKNSISRGIASGLAGTDGWIAPVLLISAST-----GYPVDIFS | 722 |
| S.c. | SGCSSFRTNLNNPS-GTSGWRAPETLEESNNLQCQVETEHSSSRHTTVSSDSFYDPFTKRRLRSDFIFS | 905 |
| H.s. | AGGVFFYVVSQESHFPFGKSLQPCANITLIGACSLSCCHPEKH--EDVIAELIEKMTAMDPQKRPSSANDVL | 827 |
| C.e. | LGQIFYYVLTSGTHPFGKSLHPCANIVNGEYITLTKADLDD---WSLADDLISSMINVEPLHRLTADAVL | 789 |
| S.c. | MGCVFYYITLSKQKHPFGDKYSRQSNITRGIFSLDEKCLHDSRLIAETALISQMDHDPKRPAMKVL | 975 |
| H.s. | KHPFFWSLEKLOEFQDVSDRIE---KESLDGPIVQLERGGRVVKMDWRENITDPLQTDLRKERTIYKG | 894 |
| C.e. | NHPFFWTSEKRLAYFSDVSDRIE---KEEDNSPVVERIETDARIIVCGGWREKICDALKEDLRKERTIYKS | 856 |
| S.c. | RHPLFWPKSKLELLKVSDRLEIENRDPSSALMRFDAGSDFVLPAGLWTVKFDKTFMDNLEIRYKYHS | 1045 |
| H.s. | GSVRDLLRAMRNKKHHHRELPAAVRETTIGTTPDDEVGYFTSRFPPLLAHTYRAMELCSH2RLFQPYXFHE | 964 |
| C.e. | FSVRDLLRAMRNKKHHHRELPEDVROSIGDIPDQFLHYFTSRFPRLLLHVIKATCYCSGAVFKRYSDDD | 926 |
| S.c. | SKVRDLLRAMRNKKHHHRELPEDVRLMGPVDPGEYDYFTKRFPNLLIGVYMIVKENLSDDQILRELYLS | 1115 |
| H.s. | PPEPQPPVTPDAL | 977 |
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Fig. 1C



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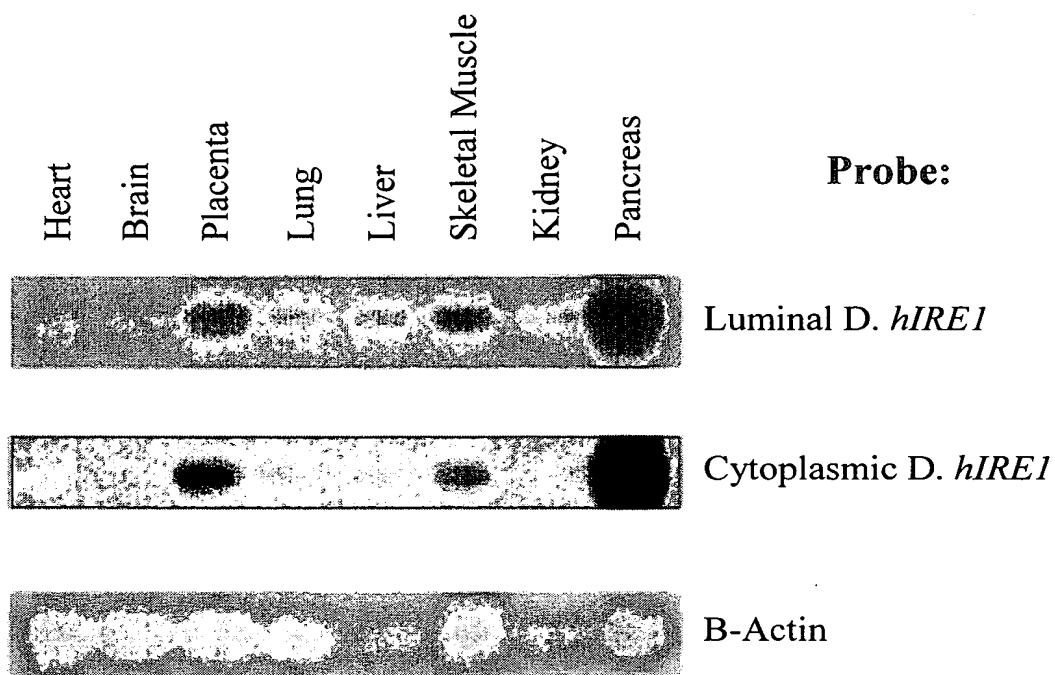


Fig. 2



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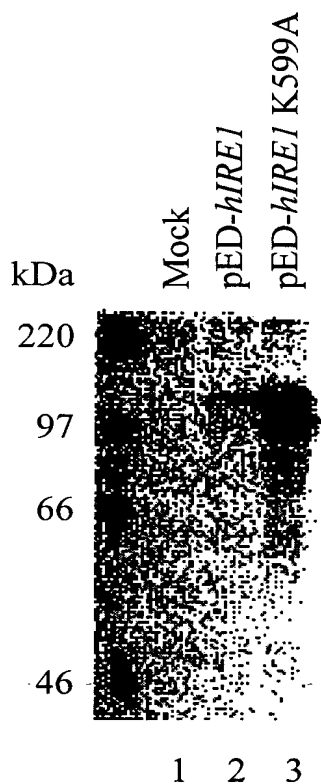


Fig. 3A

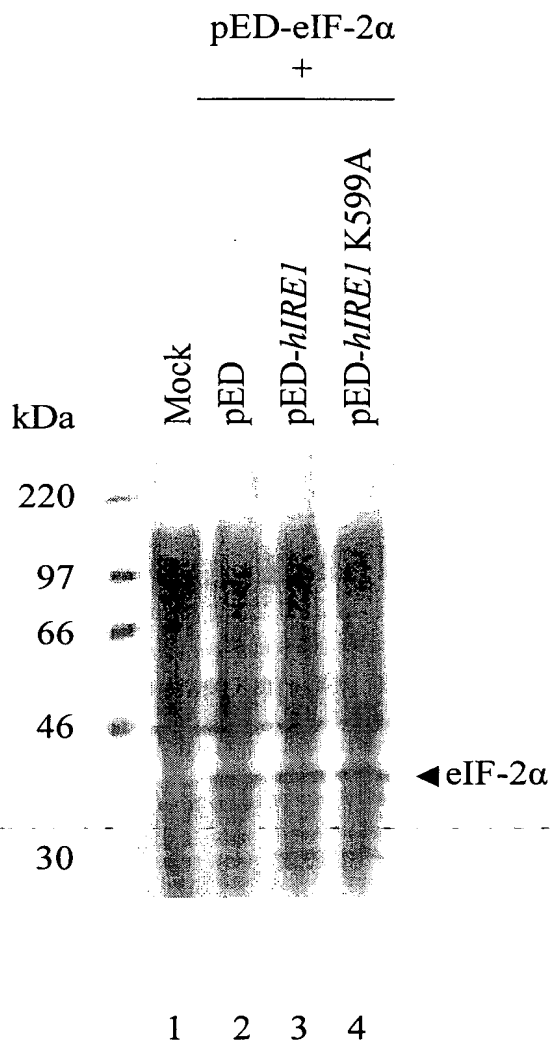
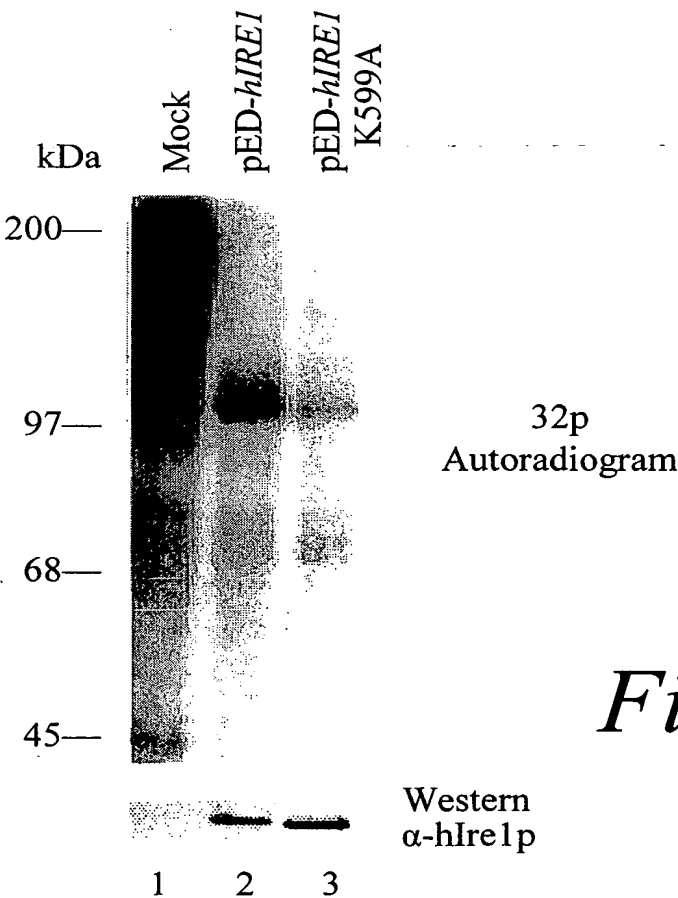
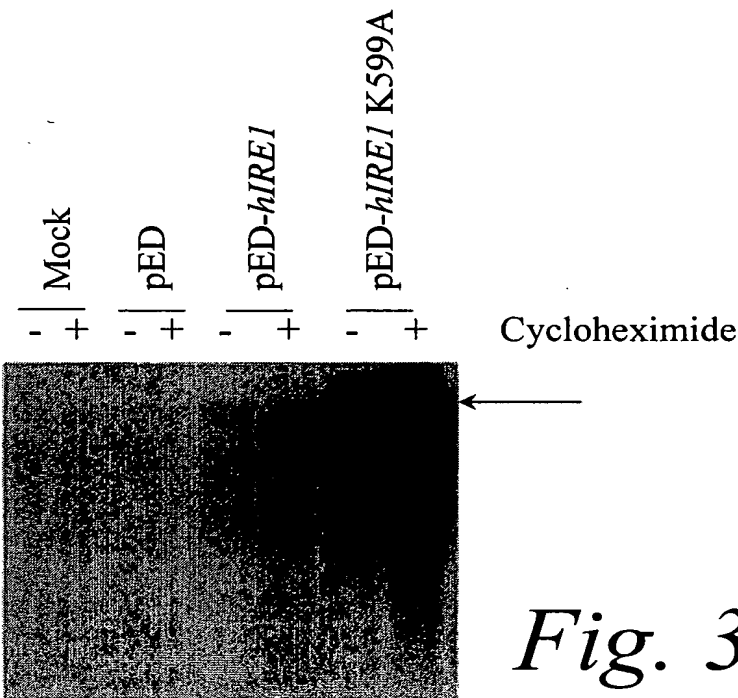


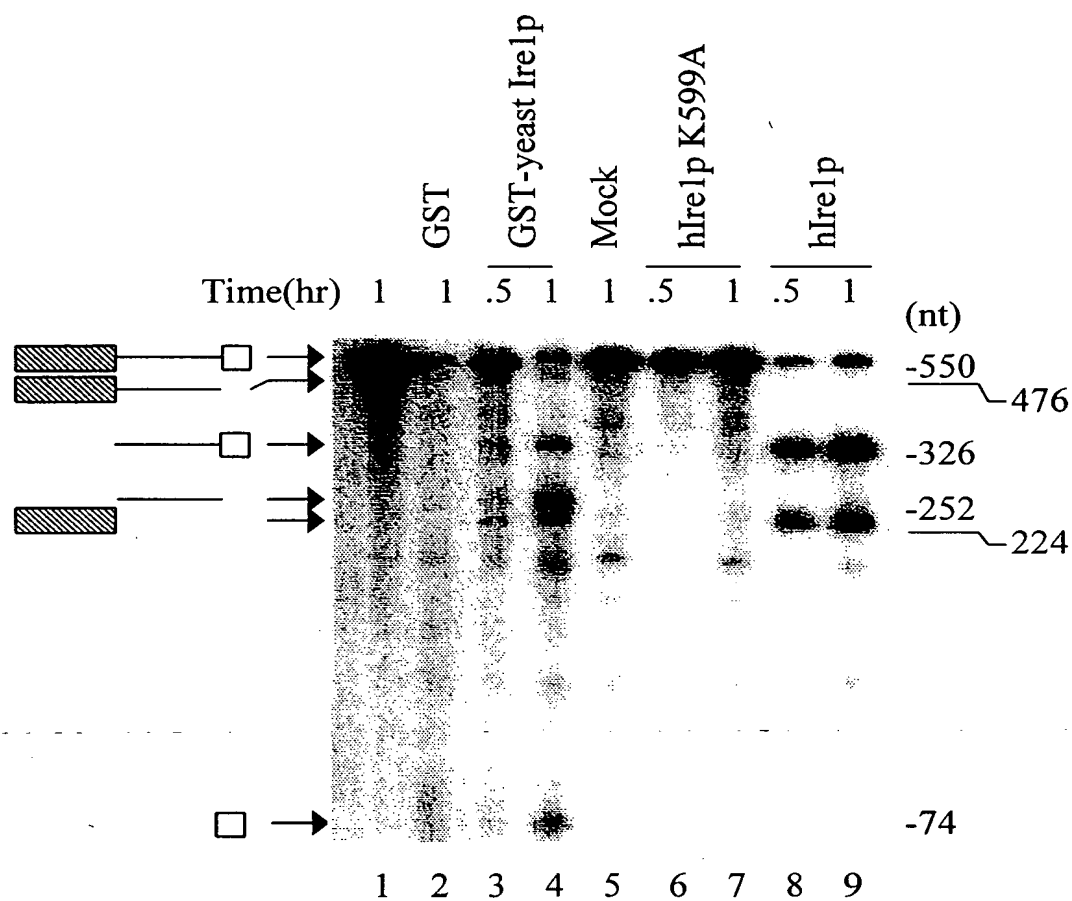
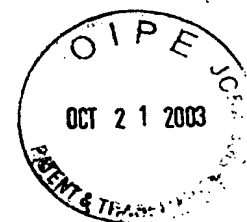
Fig. 3B

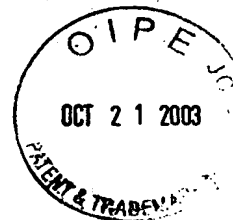


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*Fig. 4A*



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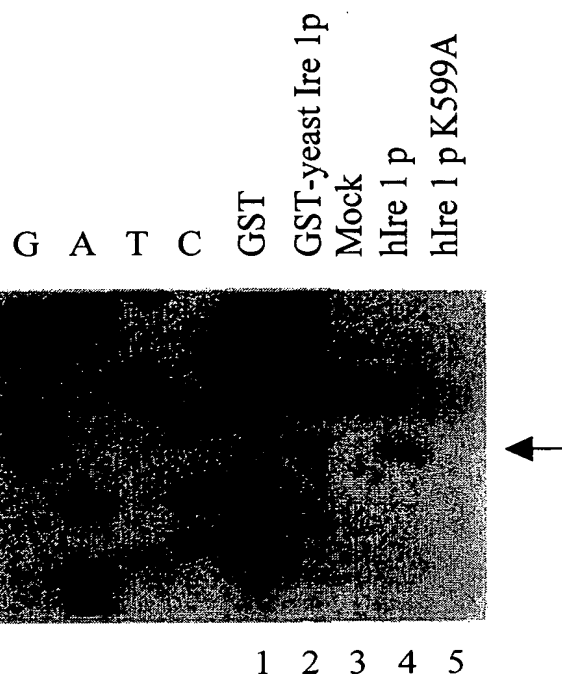


Fig. 4B

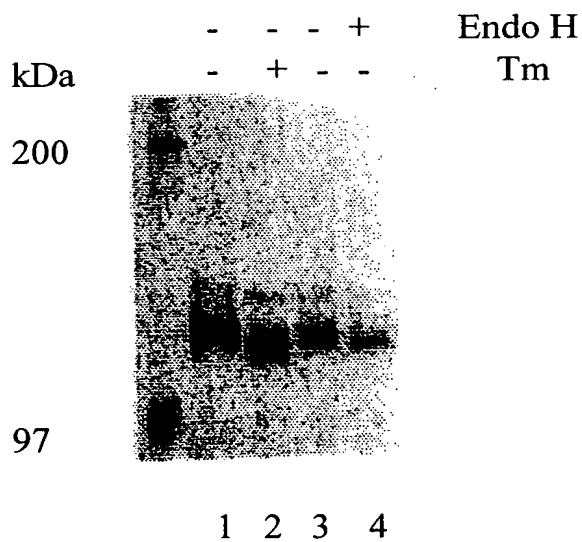


Fig. 5

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Fig. 6A

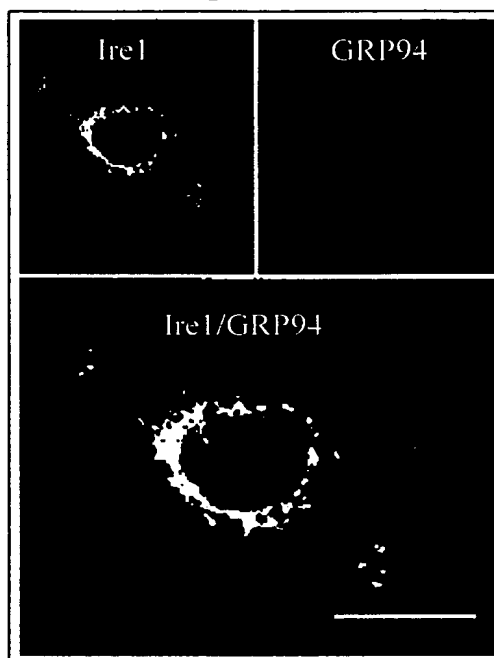


Fig. 6B

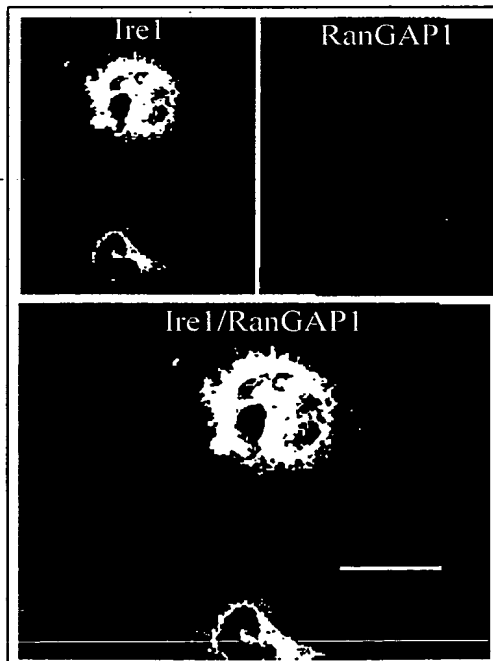
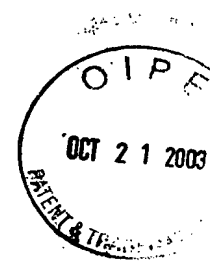


Fig. 6C



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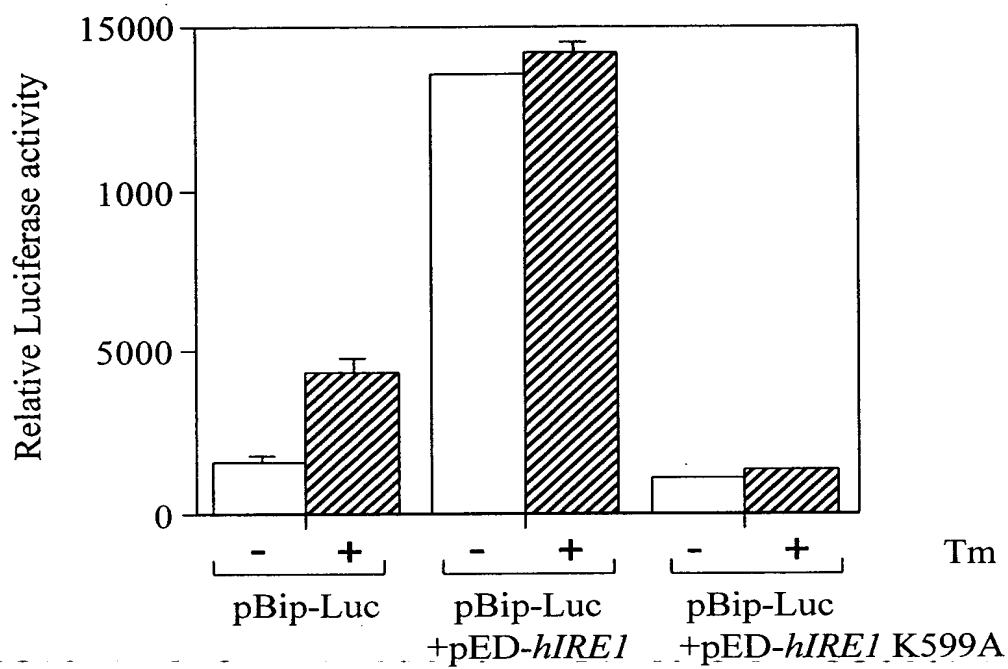
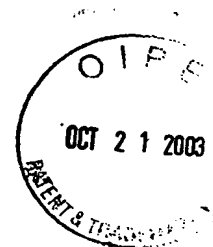


Fig. 7



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Fig. 8A



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Fig. 8B



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Fig. 9

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OCT 21 2003